

ANGIOGENESIS PROMOTER CONTAINING SPHINGOSINE 1-PHOSPHATE AS ACTIVE INGREDIENT

Publication number: KR20010008569

Publication date: 2001-02-05

Inventor: KIM GYU WON (KR); KIM YEONG MI (KR); KWON YOUNG GUEN (KR); LEE OK HUI (KR); LEE YU MI (KR); MUN EUN JEONG (KR)

Applicant: KWON YOUNG GUEN (KR)

Classification:

- **International:** A61K31/66; A61K31/66; (IPC1-7): A61K31/66

- **European:**

Application number: KR19990026477 19990702

Priority number(s): KR19990026477 19990702

[Report a data error here](#)

Abstract of KR20010008569

PURPOSE: An angiogenesis promoter containing sphingosine 1-phosphate as active ingredient is provided, which promotes an angiogenesis by binding with a cell receptor that exists in a vascular endothelial cell in vivo and in vitro. **CONSTITUTION:** In vascular endothelial cell, EDG-1 is expressed more prevalently than EDG-3 and EDG-5, that means the vascular endothelial cell responds to sphingosine 1-phosphate. As the concentration of S1P increases, the mobility of the vascular endothelial cell increases as well. When treating the vascular endothelial cell with sphingosine, C2-ceramide, and lysophosphatidic acid, the mobility of vascular endothelial cell does not show change. An angiogenesis promoter is characterized by comprising sphingosine 1-phosphate as active ingredient and pharmaceutically acceptable carrier and by being used as therapeutic agents for burn, rheumatoid arthritis, ulcer, arteriosclerosis, myocardial infarction and the like.

Data supplied from the **esp@cenet** database - Worldwide